

## **REMARKS**

The final rejection of claims 1-5 and 7-21 were affirmed on appeal. Claims 22-26 had previously been allowed, and claim 6 had previously been objected to as being dependent upon a rejected base claim but otherwise allowable if rewritten to include all the limitations of the base claim and any intervening claim. Claim 6 was amended as suggested into independent form in the Response to Second Final Office Action filed January 9, 2006.

The present amendment cancels rejected claim 1, and amends dependent apparatus claims 2-5 and 7-8 to depend from claim 6 rather than claim 1. Accordingly, claims 2-5 and 7-8 should now be allowable along with claim 6.

Rejected independent method claims 9, 14 and 19 have been amended herein to add the requirement of "said SiC body having a single crystal structure". The single crystal SiC structure in claims 6 and 22-26 were cited as a reason for the indication of allowable subject matter in the Final Office action dated December 1, 2005. Since independent method claims 9 and 19 are now more limited than allowed claim 22, these claims along with their respective dependent claims 10-13 and 20-21 should now also be allowable. Independent method claim 14 as amended is now also more limited than allowed claim 22, except claim 22 requires "detecting acoustic absorption of said radiation by said body", whereas claim 14 requires "detecting a response of said SiC body to said radiation". However, the prior art does not disclose or suggest the radiation detection method of claim 14 with a single

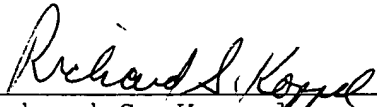
crystal SiC body, whether the detected response of the SiC body is by acoustic absorption or otherwise. Accordingly, claim 14 as amended along with its dependent claims 15-18 should also be allowable.

A Notice of Allowance is respectfully requested.

Respectfully submitted,

Date:

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